

# Nathan Gray LaFayette, MD

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## **Current Position**

Bariatric / General Surgeon  
Beaumont Hospital – Dearborn, MI  
09/2017 – Current

## **Fellowship Training**

*The Ohio State University*, Columbus OH  
Clinical Assistant Professor  
08/2016 – 08/2017  
Advanced Minimally Invasive & Bariatric Clinical Fellowship

## **Residency Training**

*Waterbury Hospital*, Waterbury CT  
07/2011 – 07/2016  
Categorical Surgical Resident  
Administrative Chief Resident

## **Medical Education**

Ross University School of Medicine, Dominica WI  
09/2007 – 05/2011  
M.D., 05/2011 – *High Honors*

## **Undergraduate Education**

Eastern Michigan University, Ypsilanti MI  
09/2000 – 06/2004  
Biochemistry – B.S., 06/2004

## **Membership and Honorary/Professional Societies**

American College of Surgeons (ACS) – since 2009  
American Society for Metabolic and Bariatric Surgery (ASMBS) since 2013  
Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) since 2013

## **Medical School Honors / Awards**

Dean's List '07, Dean's List '08, 3.6 – 3.79 GPA “High Honors”

## **Certification/Licensure**

ACLS, Exp. Date 2017  
ATLS, Exp. Date 2021  
FLS, Exp. Date 2024  
FES #160314185953  
FUSE #160314190135

da Vinci System Training Certified  
Ohio Medical License #35.127002  
Michigan Medical License #4301113418  
American Board of Surgery Certificate  
#061832 – expires December 31<sup>st</sup> 2027.

## **Other Awards/Accomplishments**

2007 – ASAIO Young Innovator Fellowship, DC  
2012 – SAGES Endoscopy & Laparoscopy: an introduction for surgeons, OH  
2013 – HEARTT – Surgical mission, Monrovia – Liberia  
2014 – SLS Outstanding Laproendoscopic Resident Surgeon, CT  
2015 – SAGES Advanced Laparoscopic Hernia Surgery Workshop, IN  
2015 – Prevention and Management of Complications in Bariatric Surgery, OH  
2016 – Fellows in Minimally Invasive Surgery Program - PACE, FL  
2016 – Intuitive Robotic bariatric surgery for fellows, GA  
2017 – ASMBS certified in Metabolic and Bariatric Surgery

## **Publications**

### *Peer Reviewed Journal Articles/Abstracts/Book Chapters*

Hegde R, LaFayette N, Sywak M, Ricketts G, Otero J, Kurtzman S, Zhang Z. Isolated right appendage rupture following blunt chest trauma. Trauma Case Reports. In Press

LaFayette N, Schwartz J. Surgical Management: Vagotomy and Pyloroplasty. The SAGES Manual of Foregut Surgery, First Edition, to be published by Springer Science.

LaFayette NG, Schewe RE, Montoya P, Cook KE. Performance of a MedArray Silicone Hollow Fiber Oxygenator. ASAIO Journal. 2009 Jul; 55(4): 382-387.

LaFayette NG, Skrzypchak AM, Merz S, Bartlett RH, Annich GM. An In Vitro Method for Assessing Biomaterial Associated Platelet Activation. ASAIO Journal. 2007 Mar; 53(2): 159-162.

Reoma JL, Rojas A, Krause EM, Obeid NR, Lafayette NG, Pohlmann JR, Padiyar NP, Punch JD, Cook KE, Bartlett RH. Lung physiology during ECS resuscitation of DCD donors followed by In-SITU assessment of lung function. ASAIO Journal. 2009 Jul; 55(4): 388-394.

Sato H, Hall CM, Lafayette NG, Pohlmann JR, Padiyar N, Toomasian JM, Haft JW, Cook KE. Thirty-Day In-Parallel Artificial Lung Testing in Sheep. The Annals of Thoracic Surgery. 2007 May; 84(4): 1136-1143.

Skrzypchak AM, Lafayette NG, Bartlett RH, Zhou Z, Frost MC, Meyerhoff ME, Reynolds MM, Annich GM. Effect of varying nitric oxide release to prevent platelet consumption and preserve platelet function in an in vivo model of extracorporeal circulation. Perfusion. 2007 May; 22(3): 193-200.

Wu Y, Rojas AP, Griffith GW, Skrzypchak AM, Lafayette NG, Bartlett RH, Meyerhoff ME. : Improving blood compatibility of intravascular oxygen sensors via catalytic decomposition of S-nitrosothiols to generate nitric oxide in situ. Sensors and Actuators. 2007 Jan; 121(1): 36-46. Cited in PubMed; PMID: 17330157.

### Oral Presentations

Benham, E., Perry, K., LaFayette, N. (2018, October). Laparoscopic Hiatal and Parahiatal Hernia Repair with Mesh. American College of Surgeons: Boston, MA.

LaFayette, N., Merritt, R., Perry, K. (2017, October). Evaluating the perfusion of a preconditioned Gastric Conduit during an Ivor-Lewis Esophagectomy using Indocyanine Green Dye. American College of Surgeons: San Diego, CA.

LaFayette, N., Jalilvand, A., Al-Mansour, M., Needleman, B., Noria, S. (2017, October). A Comparison of Pre-operative Endoscopic Biopsy Findings to Gastric Specimens after Sleeve Gastrectomy. Obesity Week / ASMBS: Washington, DC.

LaFayette, N., Levene, K., Needleman, B., Noria, S. (2017, March). Endoscopic Assisted Laparoscopic Truncal Vagotomy and Distal Gastrectomy with Gastrojejunal Anastomosis. SAGES: Houston, TX.

LaFayette, NG. (2016, August). Post-Operative Best Practices: Clinical Pathways for Recovery. The Care of the Bariatric Patient: Ohio State University, Columbus, OH.

LaFayette, NG. (2016, June). ~~Bariatric~~ Bariatric Metabolic Surgery: An Evidence Based Primer. Grand Rounds: Waterbury Hospital, Waterbury CT.

Dussel JN, LaFayette, NG, Zdankiewicz, P. (2013, November). Tranexamic Acid: Current utilization and barriers to use. Oral Presentation Presented at Connecticut Chapter American College of Surgeons meeting: Hartford, CT.

LaFayette NG, Montoya JP, Bartlett RH, Cook KE. (2007, June). Performance of a Novel Hollow Silicone Fiber Membrane Oxygenator. Oral Presentation presented at: 53rd Annual ASAIO Conference; Chicago, IL.

Reoma J, Rojas A, Pohlmann J, LaFayette N, Hall C, Bartlett R. (2011, September). The Study of Lung Physiology during ECMO resuscitation of abdominal organs followed by in-Vivo assesment of Lung Function. Oral Presentation presented at: 53rd Frederick A. Collier Surgical Society; Whitefish, MT.

### Poster Presentations

LaFayette, N., Schwartz, J., Noria, S., Needleman, B. (2017, March). Laparoscopic Adjustable Gastric Band Revisions: A Single Institution's Experience with Weight Loss Following Revision. Poster presented at: SAGES: Houston, TX.

LaFayette, N., Ricaurte, D., Holguin, J. (2016, June). Robotic assisted duodenojejunostomy for superior mesenteric artery syndrome: a case report. Poster presented at: Research Day: Waterbury, CT.

Aughton, D., LaFayette, N., Holguin, H. (2016, June). Primary Mesenteric Yolk Sac Tumor Presenting As Abdominal Pain: a case report. Poster presented at: Research Day: Waterbury, CT.

Lafayette N, Ricaurte D, Dussel J, Gauthier J, Kurtzman S, Melman L. (2016, March). Thinking outside the [Trainer] Box: A Competition Curriculum to Develop Laparoscopic Proficiency and Problem-Solving in Surgical Trainees. Presented at SAGES: Boston, MA.

Dussel, J., LaFayette, N., Knight, D. (2015, November). Collateral Damage from Ebola Virus Disease. Presented at: Connecticut Chapter American College of Surgeons meeting. Farmington, CT.

LaFayette, N., Papasavas, P., Stone, Tishler, D. (2015, May). Success of Gastric Electrical Stimulation for the Treatment of Gastroparesis Symptoms. *Gastroenterology*, 148(4), S-503. Presented at Digestive Disease Week. Washington, DC.

Dussel, J., LaFayette, N., Knight D. (2014, June) Social Return on Investment: Calibrating Impact. Poster presented at: Research Day: Waterbury, CT.

LaFayette, N., Bagnoli, P., Tredici, S., Seetharamaiah, R., Bull, J., Brant, D., Johnson, K., Costantino, M., Hirschl, R. (2005, April). Effects of Repeated Induced Collapse on Rabbit Airways during Total Liquid Ventilation. Poster presented at: 17th Annual Moses Gunn research conference; Ann Arbor, MI.

Rojas, A., LaFayette, N., Arenas, J., Bartlett, R., Punch, J. (2006, July). Normothermic vs. Hypothermic Extracorporeal Membrane Oxygenation (ECMO) Support During Procurement of Abdominal Organs from Donors after Cardiac Death (DCD) in Swine. Poster presented at: World Transplant Congress; Boston, MA.

Seetharamaiah, R., Tredici, S., Bagnoli, P., Brant, D., LaFayette, N., Hirschl, R. (2005, June). Delaying Choke during Total Liquid Ventilation using Decelerating Wave Flow. Poster presented at: American Society of Artificial Implantable Organs (ASAIO) 51st Annual Conference; Washington, DC.

Skrzypchak, A., LaFayette, N., Annich, G., Bartlett, R. (2005, September). A New Rabbit Model for Thrombogenicity Testing of Extracorporeal Circuits. Poster presented at: 16th Annual Extracorporeal Life Support Organization (ELSO) conference; Houston, TX.

Skrzypchak, A., Lafayette, N., Frost, M., Bartlett, R., Annich, G. (2006, June). In Vivo Evaluation of a Biomimetic Endothelial Surface for Extracorporeal Circulation. Poster presented at: American Society of Artificial Implantable Organs (ASAIO) 52nd Annual Conference; Chicago, IL.